Info-Hams Digest              Wed,  6 Apr 94       Volume 94 : Issue  382

Today's Topics:
                   Amateur Forwarding Rules Ammended
                    ATTN:  ARRL Newington Staff
                              chirp
                 Dayton Hamvention and Linux Journal
                            FCC.GOV
                        Hamming in Bermuda
              Ham radios on planes - Definitive answ
                         heinous operating
       How phasing SSB Exciters Work (Was:  RF and AF speech pr
                          Icom IC-W21AT?
                   Looking for EME-programs (PC)
                        woodpecker oops

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party.  Your mileage may vary.  So there.
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[This discussion belongs in .policy; followups redirected.]

In article <$arlz05.1994@ampr.org>, Marc B. Grant <marcbg@netcom.com> reposted
from the FCC:
>The licensee of the first forwarding station
>must either authenticate the identity of the station from which

>it accepts communications on behalf of the system, or accept
>accountability for the content of the message.

This is about the best that we could have gotten, given that the FCC demands
the ability to exact retribution on _someone_.

They've made it easy for even the first forwarding station to get out of
having to monitor every message, though: Notice the bit about authenticating
the identity of the originating station? This tells me that, once a practical
authentication protocol is implemented, the responsibility is placed squarely
on the shoulders of the originator, where ti belongs. This would most likely
require validation of local BBS users, but that situation is very common in
the landline BBS world, and it's stated policy among nearly all Internet
providers that the identity of users of Internet-connected systems must be
validated as well.

BBS authors, here's your chance.
--
Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@oac.hsc.uth.tmc.edu      | adequately be explained by stupidity.
    "Something in Windows must give more than the recommended daily
          allowance of the logical leap vitamin." -- Mike Dahmus


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Date: 4 Apr 94 15:31:21 GMT
From: olivea!tardis!tymix.Tymnet.COM!niagara!flanagan@ames.arpa
Subject: ATTN:  ARRL Newington Staff
To: info-hams@ucsd.edu

In article <1994Mar31.204311.1858@arrl.org> ehare@arrl.org (Ed Hare (KA1CV))
writes:
>                              A list of HQ staff addresses
>is available by ftp from our site at oak.oakland.edu or by email
>from our server at info@arrl.org. I suggest to all that they
>contact ARRL directly rather than rely on the correct staffer
>seeing the right post.

Does everyone at HQ read their Internet-sourced e-mail?  I have heard
that not everyone is on-line and that some rely primarily on MCI mail.

Dick
--
Dick Flanagan, W6OLD                        w6old@n6qmy.#nocal.ca.usa.na
Libelle Productions, Minden, NV, USA                    dick@libelle.com
Voice: +1 702 782 0806                                  GEnie: FLANAGAN


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Date: 6 Apr 1994 00:41:44 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!
nntp.cs.ubc.ca!unixg.ubc.ca!gardner@network.ucsd.edu
Subject: chirp
To: info-hams@ucsd.edu

Might as well get another question in. Does anyone know
what that chirp like signal is? We all hear it from time to
time. You can hear it (depending on the conditions) when
the radio is tuned to a station or when it is set to ssb( upper
or lower). I've studied it and found that under very good
conditions it occurs every five minutes. Under normal
conditions it may be heard every  five, ten or fifteen
minutes. It appears to be a transmission that quickly
moves from lower to higher frequencies at a rate of
100KHz a second. Is it some kind of isonospheric sounding
device to study the profile and MUF of the ionosphere?
If your not sure what I mean then tune to a moderately
strong station  or set your radio to ssb and wait. You will
probably hear it in the form of a single chirp. I'm aware that
such an effect can be produced my an ordinary amateur
radio if its frequency is changed while it is still transmitting
and you happen to be tuned to a station  frequency that
is swept by the transmitter. What I'm hearing is not this! It
definitely occurs at regular intervals and usually starts its
sweep at a low frequency, 5MHz and sweeps up continuously
right up to 30MHz and possibly beyond. Does anyone know
what this is and where it comes from?

m. gardner

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Date: Tue, 5 Apr 1994 22:59:18 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!usenet.ins.cwru.edu!wariat.org!
kf8nh!bsa@network.ucsd.edu
Subject: Dayton Hamvention and Linux Journal
To: info-hams@ucsd.edu

In article <ssnake.765513246@galena>, ssnake@galena.use.com (Thomas Neville) says:
+---------------
| phil@fylz.com (Phil Hughes LJ Editor) writes:
| >Anyone out there have a table and an interest in being our
| >representative?  Probably a good chance to promote Linux plus
| >make some money.
| I will be going to the Hamvention.. We usually attend all three days.. I don't
| have a table.. but I would be willing to volenteer some time for it..

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+------------>8
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We're going; we have a booth in the flea market; we haven't decided whether to
go for this yet, though ("we" being David, Macy, and myself along with some
others who aren't Linuxers and therefore don't count :-) --- David and Macy
being the brains behind the outfit, don't bother pestering me about it (and
you'll note I don't give their email addresses :-)

++Brandon
--
Brandon S. Allbery     kf8nh@kf8nh.ampr.org    bsa@kf8nh.wariat.org
The FUDs at Microsoft are shouting "Kill The Wabi!"

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Date: 6 Apr 1994 02:01:46 -0400
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!news.intercon.com!
news1.digex.net!access3!bote@network.ucsd.edu
Subject: FCC.GOV
To: info-hams@ucsd.edu

ddtodd@ucdavis.edu (Daniel D. Todd) writes:
>been the problem, I also spell anonymous incorrectly enough that if a login
>ever fails I try again.

Many ftp programs look for a file named ".netrc" in which
you can include lognames and passwords associated
with frequently accessed systems.

It is quite a time saver.

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rec.nude: your exit to good living along the Information Toll Road.
finger bote@access.digex.net for PGP key and an operator will help you.
Opening Day score: Orioles 6, Royals 3. How 'bout them Os!!

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Date: 4 Apr 94 14:27:42 GMT
From: agate!howland.reston.ans.net!pipex!sunic!psinntp!psinntp!news.ge.com!
knight.vf.ge.com!cnn.motown.ge.com!epi041!lweissma@ucbvax.berkeley.edu
Subject: Hamming in Bermuda
To: info-hams@ucsd.edu

I will be in Bermuda the first month of June. I have an application
for a reciprical license. I plan on taking a TH-21AT and HW-8 into the
country. Has anyone had any experience operating and bringing ham

equipment into this country. Any warnings, suggestions, and operating
info would be appreciated. TNX


Where have all the sunspots gone?
------------------------------------------------------------------------------
Larry Weissman AD3Y      |  All opinions expressed are my own and
Martin Marietta Corp.    |  in no way related to my company. All my
Moorestown, NJ   USA     |  designs are my companies and in no way
lweissma@motown.ge.com   |  considered my own.


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Date: 6 Apr 1994 00:30:03 -0400
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!gatech!news.ans.net!
hp81.prod.aol.net!search01.news.aol.com!not-for-mail@network.ucsd.edu
Subject: Ham radios on planes - Definitive answ
To: info-hams@ucsd.edu

In article <5889@tdbunews.teradata.COM>, wps@ElSegundoCA.NCR.COM (Bill
Starkgraf) writes:

>>>
If a small handheld wil interfere with
an aircraft, so they want you to think,
then a base station putting out some
power would really have an impact.
<<<

That small handheld is =onboard= the aircraft, where RF bounces around inside
the metal hull.  Remember, RF decreases as $1/r^2$, (beam antennas aside), so a
little distance goes a long way.

What distance would 1000 watts out of a 14 dB beam have to be in order to be
the same as 1 watt out of a rubber duck at 30 feet?  (and probably within ten
feet of something that would act as a huge recieving antenna on the plane)?

I suppose it's plausable... but I haven't done the calculation.  I suspect you
could still get pretty close.

Five watts out of a rubber duck at an airport should pose no problems
whatsoever.  Remember, other aircraft are transmitting, Security is
transmitting, and the airport ILSs and VORs themselves are transmitting lots of
watts (without interfering with other frequencies)

Jose   KD1SB

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Date: 6 Apr 1994 02:00:06 -0400
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.intercon.com!news1.digex.net!
access3!bote@network.ucsd.edu
Subject: heinous operating
To: info-hams@ucsd.edu

ostroy@cbnewsh.cb.att.com (Dan Ostroy ) writes:
>bote@access1.digex.net (John Boteler) wrote:
>>The latest thing around here, and I hope it is not becoming
>>accepted practice nationwide, is to key up and say "Here is" or

>One alternative, simply keying up and making a transmission, more often than
>not, results in even more wasted time.

Why? I have heard an argument similar to yours for
using "Here is" or a variant, but I need to know
why transmitting only a callsign results in
more wasted time than a transmission, a pause,
and another transmission.

Our weekly on-air meeting on the 147.18 repeater
accepts check-ins by callsign suffix
until the net control's buffer gets full.
It is not a traffic net, yet it is run
with enough structure that participants get
some idea of how a net works. Mr. Creely is
a big net hound and also operates MARS;
he seems to make things run smoothly
without the extra net bells and whistles.


WAIT A MINUTE! THAT'S IT!! "Here is" turns out
to be the net equivalent of "over beeps"!!

Mystery solved!

--

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finger bote@access.digex.net for PGP key and an operator will help you.
Opening Day score: Orioles 6, Royals 3. How 'bout them Os!!

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Date: Tue, 5 Apr 1994 06:15:41 +0000
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!pipex!lyra.csx.cam.ac.uk!warwick!
uknet!demon!llondel.demon.co.uk!dave@network.ucsd.edu

Subject: How phasing SSB Exciters Work (Was:  RF and AF speech pr
To: info-hams@ucsd.edu

In article <CnrLxD.Hww@srgenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>For some reason, the "third method" of SSB generation invented by Weaver has
>never caught on.  Perhaps part of the reason is the fact that the suppressed
>carrier comes out right in the middle of the audio passband.  Even with
>40 dB of carrier suppression (typical with diode balanced mixers), people
>might find it objectionable because of the AGC action of typical SSB
>receivers.  (Which would make the carrier "pop up" during speech pauses.)
>
A shame really, because most of your signal imperfections exist in your
own passband, instead of clobbering adjacent channels like the other
methods do. Hmmmmm.

>I have often thought, though, that the Weaver method would be well-suited
>to implementation in a DSP, since you can get mathematically perfect
>carrier suppression.
>
Not sure if it is the most efficient way though, and you are limited in your
output frequency - or were you only thinking of doing the audio stages in the
DSP and converting the 'mixed' output back to analogue for injection into
the RF mixers?

Dave
--

****************************************************************************
* G4WRW @ GB7WRW.#41.GBR.EU AX25    *    Start at the beginning. Go on    *
* dave@llondel.demon.co.uk  Internet *     until the end. Then stop.       *
* g4wrw@g4wrw.ampr.org       Amprnet  *     (the king to the white rabbit)  *
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Date: 6 Apr 1994 04:09:58 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!wupost!bigfoot.wustl.edu!cec3!jlw3@network.ucsd.edu
Subject: Icom IC-W21AT?
To: info-hams@ucsd.edu

I'm getting ready to get my first rig, and I think I've decided on the
IC-W21AT.  My question is: I have heard some rumors that because of the
ECPA, the magic key-sequence opening up wideband rx will be/is no longer
applicable.  Has anybody who has bought the ht recently tried it?  Does
it still work, and will I have any anticipated complaints with the ht?
It's pretty much between this and the Yaesu FT-530.  I plan to purchase
sometime within three weeks.  Please respond to jlw3@cec.wustl.edu or post

response!!

--jesse (still waiting, 102 days and counting. . .)

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Date: 5 Apr 94 21:18:20 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!pipex!sunic!lunic!
my.sm.luth.se!omega!d90-pfn@network.ucsd.edu
Subject: Looking for EME-programs (PC)
To: info-hams@ucsd.edu

First of all, I hope this is the right newsgroup to post to.
If not, I'm sorry for wasting the bandwidth.


As the title says I'm looking for EME-programs for MS-DOS or Windows.
Actually, I'm looking on the behalf of my father who just recently
bought a PC. He is an active EME-amateur and has until now been using
a Commodore 64 for calculation of the position of the moon. What he is
looking for now is a similar program on the PC but preferably with a
bit more functions, like calculation of the phase shift between two
stations etc.

Are there any FTP sites that carry such programs?

I would be very grateful for ANY replies. (Preferably by email)

Many thanks in advance!

/Peter

--
Peter Fredriksson
d90-pfn@sm.luth.se    or
d90-pfn@ludd.luth.se
University of Lulea, Sweden

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Date: 6 Apr 1994 01:12:16 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!
unixg.ubc.ca!gardner@network.ucsd.edu
Subject: woodpecker oops
To: info-hams@ucsd.edu

Oops, I made a small  mistake with the date. The new signal
came on in late 1990 dec. 20 and continued from time to time

for probably testing etc. and ended in late 1991. The
signal was not heard in most of 1990. The old 10.5 pr rate
system ended around the first week of december 1989.
m. gardner

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Date: 6 Apr 1994 01:50:04 -0400
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.intercon.com!news1.digex.net!
access3!bote@network.ucsd.edu
To: info-hams@ucsd.edu

References <VBREAULT.94Mar25134216@rinhp750.gmr.com>, <bote.765267957@access1>,
<HIDEG.94Apr4011228@spsd10b.erim.org>e
Subject : Re: Heinous operating techniques (AGAIN!)

hideg@spsd10b.erim.org (Steve Hideg) writes:
>>The latest thing around here, and I hope it is not becoming
>>accepted practice nationwide, is to key up and say "Here is" or
>>"This is" then quit transmitting to wait a second for

>still occurs, but the smart operator tries to vary the length and timing
>of his "this is" transmission, much like terminal node controllers use
>random number generators to vary the retry times on collided packets.

Thank you for elegantly proving my argument for me.

Why double the check-in time in the first place
with an extraneous phrase? Efficient communications
demand deleting extraneous verbiage and cutting
to the core of the message.

Clearly, if you are transmitting a signal
and speaking your callsign then it is *you*
who is doing it. It is redundant to say "This is";
who else could it be? Eleanor Roosevelt?

Yes, the smart operator knows how to eliminate
inefficient practices such as "This is" and
get right to the job at hand. He does not
need to vary the length of "This is" because
such a mechanism is already in place: his
callsign, which could require less time to say,
such as "NF3I", or more time to say, such as
"KA6WWY".

On FM, one station will be heard, the other won't.
You now have one check-in dispensed with. Ask

for the other station and you now have both
with minimum time wasted.

>Sorry to burst your bubble, but it really works.

My bubble is not the issue.

It is your traffic net which suffers.

--

rec.nude: your exit to good living along the Information Toll Road.
finger bote@access.digex.net for PGP key and an operator will help you.
Opening Day score: Orioles 6, Royals 3. How 'bout them Os!!

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End of Info-Hams Digest V94 #382
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